



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Lincoln PERMIT NO.: 55-04 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		
CDFL	X	Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: October 24, 2011

Date of Last Inspection: February 15, 2011

FACILITY NAME AND ADDRESS:

Lake Norman Landfill, Inc.
7099 Quarry Lane
Stanley, NC 28164

GPS COORDINATES: N: 35.43310° E: -81.01368°

FACILITY CONTACT NAME AND PHONE NUMBER:

Lake Norman Landfill, Inc. - Owner	CT Corporation – Registered Agent
7099 Quarry Lane Stanley, NC 28164	150 Fayetteville St., P.O. Box 1011 Raleigh, NC 27601
Jeffery Geiss - Site Manager	
Phone: (704) 822-3033	
Email: jgeiss@republicservices.com	

FACILITY CONTACT ADDRESS:

Same as above.

PARTICIPANTS:

Jeffery Geiss, Site Manager – Lake Norman Landfill
Bill Wagner, Environmental Senior Specialist – Solid Waste Section

STATUS OF PERMIT: ACTIVE

The permit shall expire on April 1, 2016.

Facility Permit No. 55-04	Issuance Date	Document ID No.
Original Permit to Construct	August 21, 1998	13224
Original Permit to Operate	March 25, 1999	13226
Permit to Operate – Modification	November 21, 2000	13227
Permit to Operate – Modification	April 23, 2002	13228
Permit to Operate – Modification	May 31, 2002	13229
Permit to Operate – Modification	March 31, 2005	13230
Permit to Construct – Amendment	August 30, 2005	13231
Permit to Operate – Modification	October 12, 2005	13232
Permit to Operate – Modification	June 28, 2007	2593
Permit to Operate – Amendment	April 1, 2011	13233

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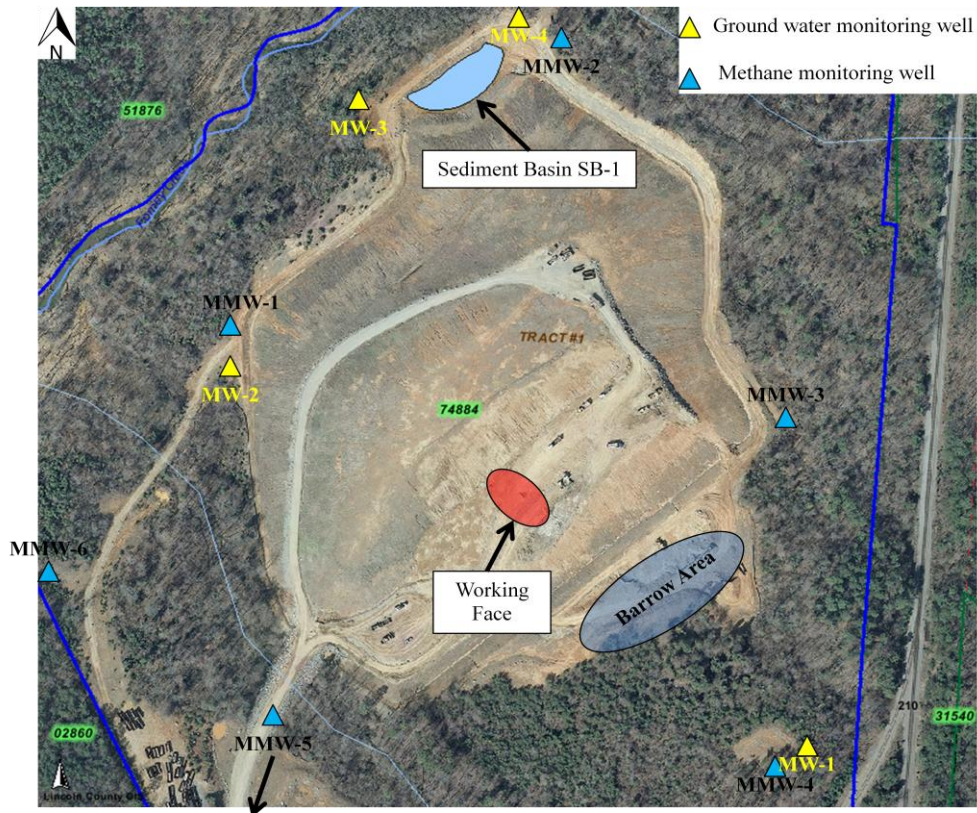


Figure 1: Lincoln Co. GIS Aerial of “Lake Norman Landfill” 55-04

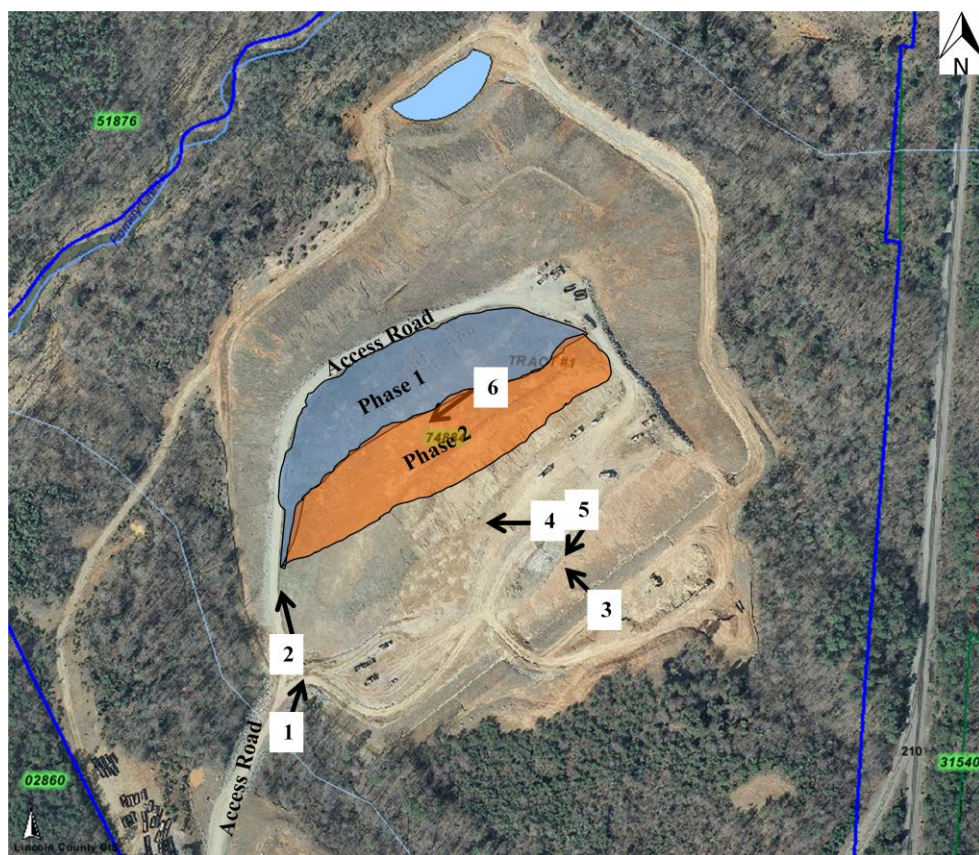


Figure 2: Perspectives of Photos in this Audit

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PURPOSE OF SITE VISIT: Comprehensive Compliance Audit

STATUS OF PAST NOTED VIOLATIONS: N/A

OBSERVED VIOLATIONS

1. On October 24, 2011, multiple areas of excessive surface erosion were observed. These areas on the south and west slopes of the landfill. (Photos #1 through #3, and Figure 2) This constitutes violation of 15 NCAC 13B .0542(k)(2). Over the past month the landfill has multiple rain events (9/21/11, 9/23/11, and 10/19/11) in excess of 1-inch.

15 NCAC 13B .0542(k)(2) states:

“Adequate sediment control measures consisting of vegetative cover, materials, structures or devices must be utilized to prevent excessive on-site erosion of the C&DLF facility or unit.” *NOTE: Excessive on-site erosion may lead to the exposure of waste to storm water. Storm water that comes into contact with solid waste is considered to be leachate and must be handled as such.*

In order to achieve compliance, Lake Norman Landfill, LLC must immediately take measures to repair eroded areas and control on-site erosion.

2. On October 24, 2011 it was observed that Lake Norman Landfill, Inc. failed to maintain *edge-of-waste* markers in accordance with conditions of their Permit (Attachment 3, Part I, Item 3). This constitutes violation of 15 NCAC 13B .0534(b)(2)(A).

15 NCAC 13B .0534(b)(2)(A) states:

“(2) Permit provisions. All C&DLF facilities and units must conform to the specific conditions set forth in the permit and the following general provisions.

(A) Duty to Comply. The permittee must comply with all conditions of the permit, unless otherwise authorized by the Division. Any permit noncompliance, except as otherwise authorized by the Division, constitutes a violation of the Act and is grounds for enforcement action or for permit revocation, modification or suspension.”

Attachment 3, Part I, Item 3 of the Permit to Operate dated April 1, 2011 states:

“The edge of waste footprint for all disposal units must be identified with permanent physical markers.”

In order to achieve compliance, Lake Norman Landfill, LLC must install permanent physical edge of waste markers.



1. 10/24/11: Area of erosion on the lower (SW) slopes of the landfill. (See Figure 2)



2. 10/24/11: Looking (N) along the access road on the west side of the landfill at surface erosion and exposed waste. (See Figure 2)

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3. 10/24/11 Looking (NW) from the barrow area at excessive erosion of the cap and windblown litter. (Note the working face in the upper left.)



4. 10/24/11 Looking (W) at the active working face – small and well maintained.



5. 10/24/11 Looking at the movable litter control fence along the (SE) edge of the landfill.



6. 10/24/11: Looking SW across the top of at the intermediate cover on Phases 1A and 1B.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. Staff Certifications:

Name	Certification	Expiration Date
Jeffery Geiss	Landfill Operations Manager	February 11, 2013
Robert Hare	Landfill Operations Specialist	March 15, 2014


2. Copies of the current Permit to Operated and the Operations Plan are maintained on site.
3. Proper signage is displayed at the entrance the landfill.

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4. The facility is permitted to accept approximately 640 tons of waste daily for a maximum total of approximately 200,000 tons per year.
5. The facility is currently accepting approximately 80 tons of waste per day.
6. The landfill was actively receiving waste during the audit. The operational area/working face was small and well maintained.
7. Several sections of movable fencing are used to capture and control windblown litter. (Photo #5) There was very little windblown material observed during this inspection.
8. There were no edge-of-waste markers in place at the time of the audit. [See Observed Violations section of this report.]
9. The areas of erosion observed on the slopes of the landfill, [see Observed Violations section of this report], appear to be caused by recent localized heavy rains. Stormwater should be managed to promote sheet flow and re-shaping of the surface is needed to prevent erosion. Please ensure that adequate sediment control measures (structures, devices, temporary groundcover, etc.) are initiated and maintained to prevent excessive on-site erosion and to prevent silt from leaving the site.
10. There are four monitoring wells in the groundwater monitoring networks (MW-1, MW-2, MW-3, and MW-4) that are sampled twice a year. Ground water samples were last collected for analysis on May 24, 2011.
11. There are two surface water monitoring stations (SW-1 and SW-2). Site. Surface water samples were last collected for analysis on May 24, 2011.
12. Landfill gas monitoring is conducted semi-annually by Landmark Environmental LLC. The most recent monitoring event occurred on August 16, 2011.
13. All ground water and landfill gas monitoring wells were properly identified with "well tags" and secured with padlocks.
14. Waste screening records were reviewed. Incoming waste loads are randomly screened two to three times a week.
15. A "roll off box" is staged near the working face for the collection of scrap tires and other unacceptable wastes that the landfill staff removes from the waste stream.
16. There was very little windblown litter observed.
17. The access roads to the C&D landfill were well marked and well maintained.
18. The access road to the groundwater and landfill gas monitoring wells can become muddy near the sediment basin. Please ensure that the access road remains passable at all times.
19. The "intermediate" vegetative cover on Phases 1 and 2 (Figure 2) is well established and well maintained.
20. No woody vegetation or trees were observed on the landfill.
21. Emerging grass cover on the south and east slopes is well established.

Please contact me if you have any questions or concerns regarding this inspection report.


Bill Wagner

Phone: 828-296-4702

Environmental Senior Specialist
Regional Representative

Sent on: 10/26/ 2011, to CT Corporation – Registered Agent	X	Email		Hand delivery		US Mail	X	Certified No <u>7009 1680 0000 7514 8772</u>
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ec: Mark Poindexter, Solid Waste Section – Field Operations Branch Head
Jason Watkins, Solid Waste Section – Western District Supervisor
Shawn McKee, Solid Waste Section – Compliance Officer
Drew Isenhour, Republic Services (isenhourd@repsrvnc.com)
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Jeffery Geiss, Republic Services (jgeiss@republicservices.com)